

Appl. No. 10/750,499
Amdt. Dated August 21, 2006

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listings of Claims:

Claim 1 (Original) A connector assembly comprising:

a circuit board;

a connector comprising an insulative base, and a plurality of contacts extending from the insulative base and being soldered to the circuit board at one end thereof; and

a baseplate receiving the circuit board and the connector, the baseplate comprising a bottom wall, two side walls and at least one separating wall extending perpendicularly from the bottom wall at one end portion thereof;

wherein the insulative base of the connector, the bottom wall, the two side walls and the at least one separating wall cooperatively form at least two receiving housing to receive the contacts therein.

Claim 2. (Original) The connector assembly as claimed in claim 1, wherein the insulative base defines a plurality rows of passages substantially parallel with each other to receive the corresponding contacts.

Claim 3. (Original) The connector assembly as claimed in claim 1, wherein the insulative base extends two connecting walls from two distal ends thereof.

Claim 4. (Original) The connector assembly as claimed in claim 3, wherein the connecting walls respectively define a slot to engage the circuit board with the insulative base.

Claim 5. (Original) The connector assembly as claimed in claim 1, wherein each of the contacts forms a tail section extending beyond a rear face of the insulative base for being soldered to the circuit board.

Claim 6. (Original) The connector assembly as claimed in claim 1, wherein the baseplate forms a plurality of pillars, the circuit board defines a plurality of fixing holes to receive the pillars thereof.

Claim 7. (Original) The connector assembly as claimed in claim 6, wherein the plurality of pillars penetrate through the fixing hole of the circuit board, corresponding screws engage in the pillars to mount the circuit board to the baseplate.

Claim 8. (Original) The connector assembly as claimed in claim 1, wherein the bottom wall of the baseplate defines a cutout for preventing mis-inserting a matching connector.

Claim 9. (Original) The connector assembly as claimed in claim 1, wherein a step shoulder

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is formed at the side wall of the baseplate, the insulative base abuts against the shoulder to insure stability of the connector.

Claim 10. (Currently amended) A hard disk drive comprising:

a baseplate forming an upper housing and a lower housing, one end portion of the lower housing comprising a bottom wall, two side walls and at least one separating wall extending perpendicularly from the bottom wall;

a motor received in the upper housing of the baseplate, the motor comprising a stator and a rotor rotatably engaged with the stator;

a disk mounted on the rotor in the upper housing;

a head assembly received in the upper housing of the baseplate, the head assembly comprising a head positioner assembly supporting a plurality of individual arms having read/write transducer heads at distal ends thereof;

a circuit board received in the lower housing of the baseplate; and

a connector comprising an insulative base and a plurality of contacts extending through the insulative base and being soldered to the circuit board at one end thereof;

wherein the insulative base of the connector, the bottom wall, the two side walls and the at least one separating wall of the baseplate cooperatively form at least two receiving housing housings for receiving the contacts thereof.

Claim 11. (Original) The hard disk drive as claimed in claim 10, wherein the insulative base

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of the connector defines a plurality rows of passages substantially parallel with each other to receive the corresponding contacts.

Claim 12. (Original) The hard disk drive as claimed in claim 10, wherein the insulative base extends two connecting walls from two distal ends thereof.

Claim 13. (Original) The hard disk drive as claimed in claim 12, wherein the connecting walls respectively define a slot to engage the circuit board with the insulative base.

Claim 14. (Original) The hard disk drive as claimed in claim 10, wherein each of the contacts forms a tail section extending beyond a rear face of the insulative base for being soldered to the circuit board.

Claim 15. (Original) The hard disk drive as claimed in claim 10, wherein the baseplate forms a plurality of pillars, the circuit board defines a plurality of fixing holes to receive the pillars thereof.

Claim 16. (Original) The hard disk drive as claimed in claim 10, wherein the bottom wall on the lower housing of the baseplate defines a cutout for preventing mis-inserting a matching connector.

Claim 17. (Original) The hard disk drive as claimed in claim 10, wherein a step shoulder is formed at the side wall of the baseplate, the insulative base abuts against the shoulder to insure stability of the connector.

Claim 18. (Original) The hard disk drive as claimed in claim 10, wherein the stator of the motor is combined with a plurality of radially extending stator laminations.

Claim 19. (Original) The hard disk drive as claimed in claim 18, wherein the rotor of the motor comprises a hub for rotatably mounting the disk assembly thereon, and an annular magnet encircling the stator laminations.

Claim 20. (Original) A hard disk drive comprising:

a baseplate receiving therein a motor, a head assembly, a printed circuit board and an electrical connector mounted to an exterior edge thereof; the baseplate defining a pair of side walls with at least one separating wall therebetween in a parallel relation to form at least two receiving cavities thereabouts, said receiving cavities exposed to an exterior in a front-to-back direction;

the connector defining an elongated base with two connecting walls extending along said front-to-back direction from two opposite ends of the base; and

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a plurality of contacts extending through said base in said front-to-back direction and disposed in said at least two receiving cavities.